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Exhibit 4

NCBI E. ifrez

**BLAST 2 sequences** 

BLAST

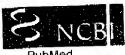
Example

Help

## **BLAST 2 SEQUENCES**

This tool produces the alignment of two given sequences using BLAST engine for local alignment. The stand-alone executable for blasting two sequences (bl2seq) can be retrieved from NCBI ftp site Reference: Tatiana A. Tatusova, Thomas L. Madden (1999), "Blast 2 sequences - a new tool for comparing protein and nucleotide sequences", FEMS Microbiol Lett. 174:247-250

Blast Result



## Blast 2 Sequences results

Entrez

BLAST

**OMIM** 

Taxonomy

Structure

## BLAST 2 SEQUENCES RESULTS VERSION BLASTN 2.2.3 [Apr-24-2002]

Match: 1 Mismatch: 2 gap open: 5 gap extension: 2  x_dropoff: 50 expect: 10.000 wordsize: 11 Filter v Align			
Sequence			Length 2753
Sequence			Length 25

No significant si nilarity was found